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#16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/711,724B

DATE: 04/24/2003

TIME: 07:04:43

Input Set : N:\efs\09711724\09711724A\HMSU-P14-006SubstituteSequence.txt
Output Set: N:\CRF4\04242003\I711724B.raw

5 <110> APPLICANT: Ingham et al.
7 <120> TITLE OF INVENTION: SCREENING ASSAYS FOR HEDGEHOG AGONISTS AND ANTAGONISTS
9 <130> FILE REFERENCE: HMSU-P14-006
11 <140> CURRENT APPLICATION NUMBER: 09/711724B
12 <141> CURRENT FILING DATE: 2000-11-13
14 <150> PRIOR APPLICATION NUMBER: 08/674509
15 <151> PRIOR FILING DATE: 1996-07-07
17 <160> NUMBER OF SEQ ID NOS: 55
19 <170> SOFTWARE: PatentIn version 3.1
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22 <211> LENGTH: 1277
23 <212> TYPE: DNA
24 <213> ORGANISM: Gallus gallus
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31 aagctgaccc cgttagccta taagcagttt attcccaatg tggcagagaa gaccctagg 180
33 gccagtggaa gatatgaagg gaagatcaca agaaaactccg agagatttaa agaactaacc 240
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87	gagcgttgca	aagagcggt	gaacgctcta	gccatcgccg	tgtatgaacat	360
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93	ttgttggcgc	gcctagctgt	ggaagccgg	ttcgactggg	tctactacga	540
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147	agtgtatgtc	ttatttctt	ggaccgcgag	ccaaaccggc	tgagagctt	780
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151	gacaatcata	cagaaccagc	agcccactt	cgccacat	ttgccagcca	900
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177 acccccttag cctacaagca gtttattccc aacgttagccg agaagaccct agggccagc 180
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181 tacaaccccg acatcatatatt taaggatgag gaaaacacgg gaggcagaccg gctgtatgact 300
183 cagagggtgca aagacaagtt aatgccttg gccatctctg tcatgtacca gtggcctgga 360
185 gtgaggctgc gagtgaccga gggctggat gaggacggcc atcattcaga ggagtctcta 420
187 cactatgagg gtcgagcagt ggacatcacc acgtccgacc gggaccgcag caagtacggc 480
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261 cgactttaca acaggagggg gtccactggt actccaggct cctgtcatca aatgggaacg 1200
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PATENT APPLICATION: US/09/711,724B

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356	gccttctggc	ccctgagact	ctttcacagc	ttggcatggg	gcagctggac	cccggggag	840									
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389	Pro	Asn	Tyr	Asn	Pro	Asp	Ile	Ile	Phe	Lys	Asp	Glu	Glu	Asn	Thr	Gly
390						85				90						95
393	Ala	Asp	Arg	Leu	Met	Thr	Gln	Arg	Cys	Lys	Asp	Lys	Leu	Asn	Ala	Leu
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397	Ala	Ile	Ser	Val	Met	Asn	Gln	Trp	Pro	Gly	Val	Lys	Leu	Arg	Val	Thr
398						115				120						125
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405	Glu	Gly	Arg	Ala	Val	Asp	Ile	Thr	Thr	Ser	Asp	Arg	Asp	Arg	Ser	Lys
406						145				150						160
409	Tyr	Gly	Met	Leu	Ala	Arg	Leu	Ala	Val	Glu	Ala	Gly	Phe	Asp	Trp	Val
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414						180				185						190
417	Ser	Val	Ala	Ala	Lys	Ser	Gly	Gly	Cys	Phe	Pro	Gly	Ser	Ala	Thr	Val
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421	His	Leu	Glu	His	Gly	Gly	Thr	Lys	Leu	Val	Lys	Asp	Leu	Ser	Pro	Gly
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430						245				250						255
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438						275				280						285
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442						290				295						300
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:18; N Pos. 15,32,36
Seq#:19; N Pos. 24,27
Seq#:20; N Pos. 13,16,19,23,27
Seq#:30; N Pos. 6,23,27
Seq#:31; N Pos. 4,7,10,14,19,22
Seq#:38; N Pos. 20,23
Seq#:39; N Pos. 11,26
Seq#:40; Xaa Pos. 7,9,44,85,93,98,112,132,137,139,181,183,185,186,189,191
Seq#:40; Xaa Pos. 196,200,206,207,209,211,212,216,217,219
Seq#:41; Xaa Pos. 7,8,9,12,13,14,17,19,22,27,29,30,31,33,40,41,44,45,46,48
Seq#:41; Xaa Pos. 53,54,71,79,83,84,85,87,95,100,107,114,115,116,125,134
Seq#:41; Xaa Pos. 135,139,141,157,158,160,162,166,167

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/711,724B

DATE: 04/24/2003

TIME: 07:04:44

Input Set : N:\efs\09711724\09711724A\HMSU-P14-006SubstituteSequence.txt
Output Set: N:\CRF4\04242003\I711724B.raw

L:322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:1380
L:1190 M:283 W: Missing Blank Line separator, <220> field identifier
L:1200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:1216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:1232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:1347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:1363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:1601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:1617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:1762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
M:341 Repeated in SeqNo=40
L:2040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
M:341 Repeated in SeqNo=41